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PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	62020-1220
First Inventor	Mule, et al.
Title	BACK-SIDE-OF-DIE, THROUGH-WAFER GUIDED-WAVE OPTICAL CLOCK DISTRIBUTION NETWORKS, METHODS OF FABRICATION THEREOF, AND USES THEREOF
Express Mail Label No.	EV 269333224 US

PCTO
11/11

07/30/03

APPLICATION ELEMENTS
See MPEP Chapter 600 concerning utility patent application contents

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

APPLICANT REQUESTS EARLY PUBLICATION UNDER 37 CFR 1.219 (additional fee)

1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input type="checkbox"/> Applicant claims small entity status. See CFR 1.27	8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>
3. <input checked="" type="checkbox"/> Specification (preferred arrangement set forth below)	a. <input type="checkbox"/> Computer Readable Copy (CRF)
- Descriptive title of the invention	
- Cross Reference to Related Applications	
- Statement Regarding Fed. Sponsored R&D	
- Reference to sequence listing, a table, or a drawing which is listed in a separate appendix	
- Background of the Invention	
- Brief Summary of the Invention	
- Brief Description of the Drawings (if filed)	
- Detailed Description	
- Claim(s)	
- Abstract of the Disclosure	
4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113)	/Total Sheets 4
5. Oath or Declaration	/Total Pages 4
a. <input checked="" type="checkbox"/> Newly Executed (original or copy)	
b. <input type="checkbox"/> Copy from a prior application (37 CFR § 1.63(d)) (for continuation/divisional with Box 18 completed)	
l. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.39(b).	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	

Assignee
Name and Address
(if applicable)

ACCOMPANYING APPLICATION PARTS

- | | | | | | | | | | | |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------|-------------------------|
| 9. <input type="checkbox"/> Assignment Papers (cover sheet & Documents(s)) | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement
<i>(when there is an assignee)</i> | 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 | 13. <input type="checkbox"/> Preliminary Amendment | 14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503)
<i>(Should be specifically itemized)</i> | 15. <input type="checkbox"/> Certified Copy of Priority Document(s)
<i>(if foreign priority is claimed)</i> | 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i).
Applicant must attach form PTO/SB/35 or its equivalent. | 17. <input type="checkbox"/> Other:
_____ | Power of Attorney | Copies of IDS Citations |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------|-------------------------|

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No: /

Group / Art Unit:

Prior application information: Examiner

For CONTINUATION OR DIVISIONAL APPS only: the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	24504	<input type="checkbox"/> Correspondence address below			
(Insert Customer No. or Attach bar code label here)					
NAME	Scott A. Horstemeyer Thomas, Kayden, Horstemeyer & Risley, L.L.P.				
ADDRESS	100 Galleria Parkway Suite 1750				
CITY	Atlanta	STATE	Georgia	ZIP CODE	30339-5948
COUNTRY	U.S.A.	TELEPHONE	770-933-9500	FAX	770-951-0933
Name (Print/Type)	Scott A. Horstemeyer	Registration No. (Attorney/Agent)	34,183		
Signature			Date	7/30/13	

Service Request Statement: The form is estimated to take 0.2 hours to complete. Time may vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: **Mule, et al.**

For: **BACK-SIDE-OF-DIE, THROUGH-WAFER GUIDED-WAVE OPTICAL CLOCK DISTRIBUTION NETWORKS, METHODS OF FABRICATION THEREOF, AND USES THEREOF**

CERTIFICATE OF EXPRESS MAIL

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

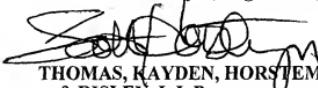
Enclosed for filing in the above case are the following documents:

Return Postcard
Utility Patent Application Transmittal Page
Fee Transmittal Page
Utility Patent Application Consisting Of:
 27 Pages of Specification
 11 Pages of Claims (Claims 1-37)
 1 Page of Abstract
 4 Pages of Formal Drawings (Figs. 1A-4F)
Declaration (Unexecuted)
Credit Card Authorization in the Amount of \$1,644.00

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

Scott A. Horstemeyer, Reg. No. 34,183



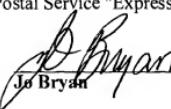
THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.
100 Galleria Parkway, N.W.
Suite 1750
Atlanta, Georgia 30339-5948

Our Docket No: **62020-1220**

I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # EV 269333224 US.

Date: 7/30/03



Jo Bryan

FEE TRANSMITTAL
for FY 2003

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective 01/01/2003. Patent fees are subject to annual revisions.

Applicant claims small entity status. See 37 CFR 1.27
TOTAL AMOUNT OF PAYMENT (\$ 1,644.00)

Complete If Known

Application Number	To be assigned
Filing Date	July 30, 2003
First Named Inventor	Mule, et al.
Examiner Name	To be assigned
Group / Art Unit	To be assigned
Attorney Docket No.	62020-1220

METHOD OF PAYMENT (check all that apply)				FEES CALCULATION (continued)				
<input type="checkbox"/> Check	<input checked="" type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> Other	<input type="checkbox"/> None				
<input checked="" type="checkbox"/> Deposit Account								
Deposit Account Number 20-0778								
Deposit Account Name Thomas, Hayden, Horstemeyer Risley, L.L.P.								
The Commissioner is authorized to: (check all that apply)								
<input type="checkbox"/> Charge fee(s) indicated below		<input checked="" type="checkbox"/> Credit any overpayments						
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application								
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account								
FEE CALCULATION								
1. BASIC FILING FEE								
Large Entity	Small Entity							
Fee Code	Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid			
1001	750	2001	375	Utility Filing Fee	750.00			
1002	330	2002	165	Design Filing Fee				
1003	520	2003	260	Plant Filing Fee				
1004	750	2004	375	Reissue Filing Fee				
1005	160	2005	80	Provisional Filing Fee				
SUBTOTAL (1)				(\$750.00)				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE								
Extra Claims	Fee From Below							
Total Claims	37	- 20** =	17	X 18.00 =	\$306.00			
Independent Claims	10	- 3** =	7	X 84.00 =	\$588.00			
Multiple Dependent				140.00 =	0			
SUBTOTAL (2)				(\$894.00)				
3. ADDITIONAL FEES								
Large Entity	Small Entity							
Fee Code	Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid			
1202	18	2202	9	Claims in excess of 20				
1201	84	2201	42	Independent claims in excess of 3				
1203	280	2203	140	Multiple dependent claim, if not paid				
1204	84	2204	42	**Reissue independent claims over original patent				
1205	18	2205	9	**Reissues claims in excess of 20 and over original patent				
SUBTOTAL (3)				(\$0)				

*or number previously paid, if greater; For Reissues, see above

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or Printed Name Signature	Scott A. Horstemeyer 	Registration No. 34,183	Telephone Number Date
		Complete (if applicable)	
		770-933-9500 7/30/03	

WARNING: Information on this form may become public. Credit Card Information should not be included on this form. Provide credit card information and authorization on PTO-205a.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is mandatory to obtain or retain a benefit by the public which is the fair use by the USPTO to process an application. Confidentiality is governed by 37 USC 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.